

2ND GRADE SCIENCE EXIT EXPECTATION BOXES

<u>EARTH SCIENCE</u>		<u>LIFE SCIENCE</u>
<ul style="list-style-type: none"> ▪ SPACE <ul style="list-style-type: none"> ○ <i>Know that gravity is a force that pulls objects toward Earth</i> ○ <i>Realize that the Sun is the central and largest body in the solar system</i> ○ <i>Know the basic patterns of the movement of the sun and moon</i> ○ <i>Know that the stars are unevenly dispersed and of unequal brightness</i> ○ <i>Recognize that an astronaut needs to adapt to living and working in space</i> ▪ EARTH'S STRUCTURE/COMPOSITION <ul style="list-style-type: none"> ○ <i>Identify the layers of the Earth</i> ○ <i>Recognize that the Earth's surface is mostly water</i> 		<ul style="list-style-type: none"> ▪ ANIMALS <ul style="list-style-type: none"> ○ <i>Cycles</i> <ul style="list-style-type: none"> ▶ <i>Discover that animals need certain conditions to grow and survive</i> ▶ <i>Explain that all living things reproduce</i> ○ <i>Characteristics</i> <ul style="list-style-type: none"> ▶ <i>Investigate how animal tracks provide clues about animals</i>
<p style="text-align: center;"><u>PHYSICAL SCIENCE</u></p> <ul style="list-style-type: none"> ▪ FORCES, MOTION, AND ENERGY <ul style="list-style-type: none"> ○ <i>Know that heat can be produced in many ways</i> ○ <i>Know that things near the Earth fall to the ground unless something holds them up</i> ▪ ELECTRICITY AND MAGNETISM <ul style="list-style-type: none"> ○ <i>Know that electricity in circuits can produce heat, light, sound, and magnetic effects</i> ▪ SOUND AND LIGHT <ul style="list-style-type: none"> ○ <i>Explore that light travels in a straight line until it strikes an object</i> ○ <i>Discover that white light can be split up into the colors of the rainbow</i> ○ <i>Demonstrate that the rainbow, or spectrum is a pattern</i> ○ <i>Relate how sounds in our environment can be used to identify objects, to communicate, and obtain information</i> ○ <i>Demonstrate that vibrating objects produce sound</i> ○ <i>Investigate how properties of objects affect the sounds they make when they vibrate</i> ○ <i>Relate how different kinds of vibrations cause different kinds of sounds</i> ○ <i>Demonstrate how sounds travel through air and sometimes through solids to reach our ears</i> ○ <i>Know that sound may be harmful to our ears</i> 		<ul style="list-style-type: none"> ▪ PLANTS <ul style="list-style-type: none"> ○ <i>Adaptations</i> <ul style="list-style-type: none"> ▶ <i>Know that plants need certain conditions to grow and survive</i> ▪ ENVIRONMENT <ul style="list-style-type: none"> ○ <i>Habitats</i> <ul style="list-style-type: none"> ▶ <i>Explain that different plants live in different habitats</i> ▪ HUMAN BODY <ul style="list-style-type: none"> ○ <i>Observe that human body parts have functions that are adapted for special tasks</i> ○ <i>Identify healthy lifestyle, habits, and proper hygiene</i>